

AMENDMENTS TO THE CLAIMS

Upon entry of the amendment, the status of the claims will be as shown below. This listing of claims replaces all previous versions and listings of claims in the present application.

Listing of Claims

1. (Currently Amended) A transmitting device which transmits an Internet Streaming Media Alliance (ISMA) media stream subjected to MPEG-4 Intellectual Property Management and Protection (IPMP) extension, wherein

an ISMA media stream having an ISMA header and including contents as a payload is constituted,

wherein the ISMA media stream includes a plurality of payloads,

wherein the header of the ISMA media stream includes an IPMP tool list descriptor and a plurality of IPMP descriptors, where each IPMP descriptor corresponds to one of the plurality of payloads, and

wherein at least one IPMP descriptor is different from another IPMP descriptor of the plurality of IPMP descriptors,

the IPMP tool list descriptor, representing as a tool required for processing of the contents, at least one tool selected from a group including an IPMP tool, an ISMA Crypt

decryption tool, and a key management system (KMS) tool, is buried in the ISMA media stream,

wherein the IPMP tool may be specified in a plurality of ways, including by using a fixed bit length IPMP tool ID, by using a list of IPMP tool IDs representing equivalent alternative tools, and by specifying standards that must be satisfied by the IPMP tool, and

the ISMA media stream is transmitted.

2. (Previously Presented) The transmitting device according to claim 1, wherein the IPMP tool list descriptor is buried in an Initial Object Descriptor (IOD) of the ISMA media stream.

3. (Currently Amended) A transmitting device which transmits an Internet Streaming Media Alliance (ISMA) media stream subjected to MPEG-4 Intellectual Property Management and Protection (IPMP) extension, wherein

an ISMA media stream having an ISMA header and including contents as a payload is constituted,

wherein the ISMA media stream includes a plurality of payloads,

wherein the header of the ISMA media stream includes an IPMP tool list descriptor and a plurality of IPMP descriptors, where each IPMP descriptor corresponds to one of the plurality of payloads, and

wherein at least one IPMP descriptor is different from another IPMP descriptor of the plurality of IPMP descriptors,

at least one IPMP descriptor of the plurality of IPMP descriptors, representing as a tool required for processing of the contents, at least one tool selected from a group including an IPMP tool, an ISMA Cryp decryption tool, and a key management system (KMS) tool, is buried in the media stream,

wherein the IPMP tool may be specified in a plurality of ways, including by using a fixed bit length IPMP tool ID, by using a list of IPMP tool IDs representing equivalent alternative tools, and by specifying standards that must be satisfied by the IPMP tool, and
the ISMA media stream is transmitted.

4. (Previously Presented) The transmitting device according to claim 3, wherein an IPMP descriptor pointer indicating at least one of the plurality of IPMP descriptors is buried in the ISMA media stream.

5. (Previously Presented) The transmitting device according to claim 3, wherein an IPMP descriptor pointer is buried in an Elementary Stream (ES) descriptor of the ISMA media stream.

6. (Previously Presented) The transmitting device according to claims 3, wherein the IPMP tool list descriptor representing at least one tool is buried in the ISMA media stream independently of the IPMP descriptor.

7. (Previously Presented) The transmitting device according to claim 1, wherein an ISMA Cryp parameter used in the ISMA Cryp decryption tool is stored in ISMA Cryp_Data extended from IPMP_Data_Base Class.

8. (Previously Presented) The transmitting device according to claim 7, wherein the ISMA Cryp_Data is stored in an IPMP descriptor stored in an Object Descriptor (OD) of the IPMP media stream.

9. (Previously Presented) The transmitting device according to claim 7, wherein the ISMA Cryp_Data is stored in an IPMP_Message stored in the IPMP media stream.